



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ng *et al.*
Serial No. 10/627,297
Conf. No.: Unassigned
Customer No.: 24961
Filed: July 24, 2003

For: *BLOCK COPOLYMERS BASED ON
POLY(ORTHO ESTERS) CONTAINING
AMINE GROUPS*

Art Unit: 1711

Examiner: Unassigned

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
IN ACCORDANCE WITH 37 C.F.R. §§ 1.97-1.98**

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is filed prior to receipt of a First Office Action on the merits of the above-captioned application. Thus, a fee for filing this statement should not be due. If, however, it is determined that a fee is due, any fees that may be due in connection with filing this paper may be charged to Deposit Account No. 50-1213.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Form PTO-1449 (14 pages) and copies of the cited documents are provided herewith in connection with the above-captioned application.

The documents listed on the Forms PTO-1449 and supplied herewith are in the English language with the exception of items EE, EF, EK, EQ, ER, EU, EP, ES, and ET. Items EE, EF, EK and EU (German Patent No. DE 291668, International Patent Application WO 03044446, European Patent No. EP

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Supplemental Information Disclosure Statement

0485840, and German Patent No. DE 4415204, respectively) are in the German language and are provided with an English language Derwent abstract or an English language equivalent (items GI, GH, BL, and GG, respectively). Items EQ and ER (French Patent Nos. FR 2238477 and FR 2352547) are in the French language, and are provided with an English language equivalent (items EN and EO, respectively). Items EP, ES, and ET (Japanese Patent Nos. JP 2218719, JP 3000732, and JP 3005419) are in the Japanese language and are provided with an English language Derwent abstract (items GJ, GJ and GK, respectively). Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Applicant also makes known to the Examiner the following U.S. and International applications, which are commonly owned and/or have one or more inventors in common:

<u>U.S.S.N.</u>	<u>Filing Date</u>	<u>Docket No.</u>
10/409,408	04/07/2003	7184B
09/799,792	03/05/2001	7188
09/949,162	09/06/2001	7190
09/854,435	05/11/2001	7191
10/330,781	12/24/2002	7193B
10/139,114	05/02/2002	7194
10/295,766	11/14/2002	7195B
10/298,188	11/15/2002	7196
10/452,851	05/30/2003	7197
<u>Int'l App. no.</u>	<u>Filing Date</u>	<u>Docket No.</u>
PCT/US02/36779	11/15/2002	7195PC
Unassigned	11/13/2003	7196PC
Unassigned	11/13/2003	7197PC

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior

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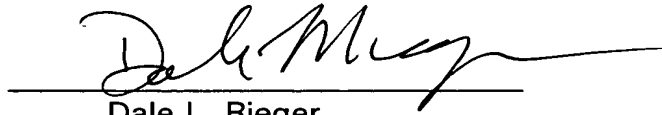
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art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and information and that they be made of record in the file history of the above-captioned application.

Respectfully submitted,
HELLER EHRMAN WHITE & McAULIFFE LLP

By:



Dale L. Rieger
Registration No. 43,045

Date: December 17, 2003

Attorney Docket No. 10008-7195C

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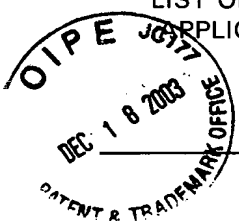
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FORM PTO-1449

ATTY. DOCKET NO.
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NO.LIST OF PATENTS AND PUBLICATIONS FOR
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Heller *et al.*CUSTOMER NO.
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Item No.	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A	0	0	3	7	3	0	0	03/28/02	Ng <i>et al.</i>	424	401	05/11/01
	B	0	0	8	2	3	6	2	06/27/02	Brocchini <i>et al.</i>	525	461	09/06/01
	C	0	0	9	0	3	9	8	07/11/02 A1	Dunn <i>et al.</i>	424	486	01/14/02
	D	0	1	3	0	4	7	2	07/10/03	Ng <i>et al.</i>	528	73	12/24/02
	E	0	1	3	8	4	7	4	07/24/03	Ng <i>et al.</i>	424	425	11/14/02
	F	0	1	5	2	6	3	0	08/14/03 A1	Ng <i>et al.</i>	424	486	05/02/02
	G	0	1	6	8	3	3	6	11/14/02	Ng <i>et al.</i>	424	78.38	05/11/01
	H	0	1	7	6	8	4	4	11/28/02	Ng <i>et al.</i>	424	78.38	05/11/01
	I	3	2	6	8	5	5	0	08/23/66	Heller	260	315	08/26/63
	J	4	0	1	4	9	8	7	03/29/77	Heller <i>et al.</i>	424	15	06/30/75
	K	4	1	3	1	6	4	8	12/26/78	Choi <i>et al.</i>	424	22	03/02/78
	L	4	1	8	0	0	6	4	12/25/79	Heller <i>et al.</i>	128	130	12/15/76
	M	4	2	4	9	5	3	1	02/10/81	Heller <i>et al.</i>	128	260	07/05/79
	N	4	2	6	1	9	6	9	04/14/81	Heller	424	19	05/03/79
	O	4	5	0	2	9	7	6	03/05/85	Heller	252	315.4	10/25/82
	P	4	5	1	3	1	4	3	04/23/85	Ng <i>et al.</i>	549	335	12/01/82
	Q	4	5	3	2	3	3	5	07/30/85	Helwing	549	335	03/07/83
	R	4	5	4	8	9	9	0	10/22/85	Mueller <i>et al.</i>	525	123	08/15/83
	S	4	5	4	9	0	1	0	10/22/85	Sparer <i>et al.</i>	528	361	06/27/84
	T	4	5	9	0	1	9	0	5/20/86	Saito <i>et al.</i>	514	221	07/01/83
	U	4	6	0	5	6	7	0	08/12/86	Saito <i>et al.</i>	514	619	02/01/84

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	V	4	6	3	9	3	6	6	01/27/87	Heller	424	19	06/06/84
	W	4	6	9	0	6	8	2	09/01/87	Lim	604	891	01/14/86
	X	4	6	9	0	8	2	5	09/01/87	Won	424	501	10/04/85
	Y	4	7	1	0	4	9	7	12/01/87	Heller <i>et al.</i>	514	221	05/31/85
	Z	4	7	1	3	4	4	1	12/15/87	Heller <i>et al.</i>	528	392	08/01/86
	AA	4	7	3	8	9	3	2	04/19/88	Yabusaki	436	511	12/03/85
	AB	4	7	4	5	1	6	0	05/17/88	Churchill <i>et al.</i>	525	415	06/21/85
	AC	4	7	5	2	6	1	2	06/21/88	Saito <i>et al.</i>	514	420	01/23/86
	AD	4	7	6	5	9	7	3	08/23/88	Heller	424	486	10/06/86
	AE	4	8	0	1	4	5	7	01/31/89	Heller <i>et al.</i>	424	422	10/07/87
	AF	4	8	0	6	3	6	0	02/21/89	Leong <i>et al.</i>	424	487	10/23/87
	AG	4	8	1	8	5	4	2	04/04/89	DeLuca <i>et al.</i>	424	491	03/31/86
	AH	4	8	4	9	4	2	6	07/18/89	Pearlman	514	274	12/02/87
	AI	4	8	5	5	1	4	4	08/08/89	Leong <i>et al.</i>	424	487	06/14/88
	AJ	4	8	9	8	9	2	8	02/06/90	Heller <i>et al.</i>	528	392	03/07/88
	AK	4	9	2	3	6	4	5	05/08/90	Tsang <i>et al.</i>	264	4.3	11/16/87
	AL	4	9	3	8	7	6	3	07/04/95 B1	Dunn <i>et al.</i>	604	891.1	04/27/93
	AM	4	9	6	3	3	6	9	10/16/90	Song <i>et al.</i>	426	5	01/19/89
	AN	5	0	1	3	5	5	3	05/07/91	Southard <i>et al.</i>	424	426	08/29/89
	AO	5	0	1	3	8	2	1	05/07/91	Heller <i>et al.</i>	528	376	06/15/89
	AP	5	0	2	8	4	3	5	07/02/91	Katz <i>et al.</i>	424	484	05/22/89
	AQ	5	0	3	0	4	5	7	07/09/91	Ng <i>et al.</i>	424	486	08/28/89

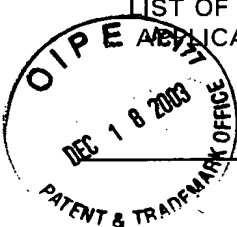
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	AR	5	0	4	7	4	6	4	09/10/91	Pogany <i>et al.</i>	524	500	09/20/89
	AS	5	0	7	7	0	4	9	12/31/91	Dunn <i>et al.</i>	424	426	07/24/89
	AT	5	1	0	8	7	5	5	04/28/92	Daniels <i>et al.</i>	424	426	04/27/89
	AU	5	1	2	8	3	7	6	07/07/92	Saito <i>et al.</i>	514	772	09/04/90
	AV	5	1	3	5	7	4	0	08/04/92	Katz <i>et al.</i>	424	401	10/02/89
	AW	5	1	4	5	6	7	5	09/08/92	Won	424	78.31	01/23/91
	AX	5	1	8	8	8	4	4	02/23/93	Ahene <i>et al.</i>	424	574	05/07/92
	AY	5	2	1	7	7	1	2	06/08/93	Pogany <i>et al.</i>	424	78.18	06/17/91
	AZ	5	2	4	0	7	1	5	08/31/93	Ahene <i>et al.</i>	424	574	12/14/92
	BA	5	2	5	6	4	0	0	10/26/93	Froix <i>et al.</i>	424	45	12/04/91
	BB	5	2	6	1	1	6	9	11/16/93	Williford	36	43	10/11/91
	BC	5	2	7	8	2	0	1	01/11/94	Dunn <i>et al.</i>	523	113	04/24/90
	BD	5	3	1	6	7	7	4	05/31/94	Eury <i>et al.</i>	424	501	12/09/91
	BE	5	3	2	4	5	1	9	06/28/94	Dunn <i>et al.</i>	424	426	10/28/91
	BF	5	3	2	4	5	2	0	06/28/94	Dunn <i>et al.</i>	424	435	04/13/93
	BG	5	3	3	4	6	4	0	08/02/94	Desai <i>et al.</i>	524	56	04/08/92
	BH	5	3	3	6	5	0	5	08/09/94	Ng <i>et al.</i>	424	486	07/08/91
	BI	5	3	4	0	8	4	9	08/23/94	Dunn <i>et al.</i>	523	113	12/23/91
	BJ	5	3	6	8	8	5	9	11/29/94	Dunn <i>et al.</i>	424	426	06/29/93
	BK	5	4	0	7	6	0	9	04/18/95	Tice <i>et al.</i>	264	46	05/17/93
	BL	5	4	2	2	1	2	1	06/06/95	Lehmann <i>et al.</i>	424	464	08/16/93
	BM	5	4	4	9	6	7	0	09/12/95	Skinner <i>et al.</i>	514	3	06/23/94
	BN	5	4	5	8	8	9	0	10/17/95	Williford <i>et al.</i>	426	3	06/04/91

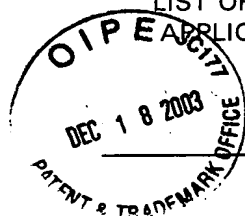
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	BO	5	4	6	1	1	4	0	10/24/95	Heller <i>et al.</i>	528	425	11/15/93
	BP	5	4	8	7	8	9	7	01/30/96	Polson <i>et al.</i>	424	426	09/28/93
	BQ	5	5	0	5	9	6	6	04/09/96	Edman <i>et al.</i>	424	493	02/24/93
	BR	5	5	1	0	1	1	6	04/23/96	Froix <i>et al.</i>	424	486	07/21/93
	BS	5	5	1	8	7	3	0	05/21/96	Fuisz	424	426	06/03/92
	BT	5	5	2	5	6	3	4	06/11/96	Sintov <i>et al.</i>	514	777	02/10/94
	BU	5	5	4	0	9	1	2	07/30/96	Roorda <i>et al.</i>	424	422	09/30/94
	BV	5	5	9	9	5	5	2	02/04/97	Dunn <i>et al.</i>	424	423	05/26/94
	BW	5	6	0	5	9	3	3	02/25/97	Duffy <i>et al.</i>	514	557	07/20/95
	BX	5	6	0	7	6	8	6	03/04/97	Totakura <i>et al.</i>	424	426	11/22/94
	BY	5	6	2	0	6	9	7	04/15/97	Tormala <i>et al.</i>	424	426	12/31/93
	BZ	5	6	2	7	1	8	7	05/06/97	Katz	514	274	04/12/95
	CA	5	6	3	2	7	2	7	05/27/97	Tipton <i>et al.</i>	602	47	06/07/95
	CB	5	6	6	0	8	4	9	08/26/97	Polson <i>et al.</i>	424	426	08/23/94
	CC	5	6	8	1	8	7	3	10/28/97	Norton <i>et al.</i>	523	115	10/14/93
	CD	5	7	0	2	7	1	6	12/30/97	Dunn <i>et al.</i>	424	422	06/02/93
	CE	5	7	2	5	4	9	1	03/10/98	Tipton <i>et al.</i>	602	43	11/08/94
	CF	5	7	3	3	9	5	0	03/31/98	Dunn <i>et al.</i>	523	113	09/25/95
	CG	5	7	3	9	1	7	6	04/14/98	Dunn <i>et al.</i>	523	113	03/18/94
	CH	5	7	4	4	1	5	3	04/28/98	Yewey <i>et al.</i>	424	426	06/09/97
	CI	5	7	5	9	5	6	3	06/02/98	Yewey <i>et al.</i>	424	426	06/07/95
	CJ	5	7	8	0	0	4	4	07/14/98	Yewey <i>et al.</i>	424	426	12/05/96
	CK	5	7	8	3	2	0	5	07/21/98	Berggren <i>et al.</i>	424	426	04/10/97

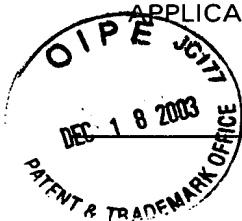
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	CL	5	7	9	2	4	6	9	08/11/98	Tipton <i>et al.</i>	424	422	06/07/95
	CM	5	8	2	4	3	4	3	10/20/98	Ng <i>et al.</i>	424	486	04/11/94
	CN	5	8	3	7	2	2	8	11/17/98	Shih <i>et al.</i>	424	78.37	09/02/92
	CO	5	8	4	0	2	9	3	11/24/98	Nacht <i>et al.</i>	424	78.02	05/17/94
	CP	5	8	4	9	3	2	7	12/15/98	Berliner <i>et al.</i>	424	463	09/27/96
	CQ	5	8	5	1	5	3	8	12/22/98	Froix <i>et al.</i>	424	401	12/29/95
	CR	5	8	7	1	7	2	2	02/16/99	Nacht <i>et al.</i>	424	78.03	04/11/95
	CS	5	8	7	9	7	1	6	03/09/99	Katz <i>et al.</i>	424	501	06/14/93
	CT	5	8	9	1	4	7	0	04/06/99	Rinaldi <i>et al.</i>	424	451	04/17/98
	CU	5	9	1	6	5	9	7	06/29/99	Lee <i>et al.</i>	424	501	08/29/96
	CV	5	9	4	5	1	1	5	08/31/99	Dunn <i>et al.</i>	424	422	08/08/97
	CW	5	9	5	5	1	0	9	09/21/99	Won <i>et al.</i>	424	501	06/17/93
	CX	5	9	9	0	1	9	4	11/23/99	Dunn <i>et al.</i>	523	113	11/07/97
	CY	5	9	9	3	8	5	6	11/30/99	Ragavan <i>et al.</i>	424	489	11/17/97
	CZ	6	0	0	7	8	4	5	12/28/99	Domb <i>et al.</i>	424	501	01/22/96
	DA	6	0	7	1	5	3	0	06/06/00	Polson <i>et al.</i>	424	426	06/26/97
	DB	6	0	8	3	5	2	1	07/04/00	Acemoglu <i>et al.</i>	424	422	09/28/98
	DC	6	0	9	6	3	4	4	08/01/00	Liu <i>et al.</i>	424	501	02/24/97
	DD	6	1	4	3	3	1	4	11/07/00	Chandrashekar <i>et al.</i>	424	426	10/28/98
	DE	6	1	5	9	4	9	1	12/12/00	Durrani	424	430	02/12/99
	DF	6	1	6	6	1	7	3	12/26/00	Mao <i>et al.</i>	528	398	04/02/98
	DG	6	1	9	3	9	9	1	02/27/01	Shukla	424	426	10/28/98

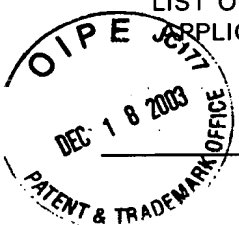
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	DH	6	2	0	6	9	2	0	03/27/01 B1	Eliaz <i>et al.</i>	623	16.11	12/23/98
	DI	6	2	1	7	8	9	5	04/17/01 B1	Guo <i>et al.</i>	424	427	03/22/99
	DJ	6	2	3	8	7	0	5	05/29/01 B1	Liu <i>et al.</i>	424	501	05/05/00
	DK	6	2	4	5	3	4	5	06/12/01 B1	Swanborn <i>et al.</i>	424	402	06/07/98
	DL	6	2	6	1	5	8	3	07/17/01 B1	Dunn <i>et al.</i>	424	422	07/28/98
	DM	6	2	6	2	1	2	7	07/17/01 B1	Acemoglu <i>et al.</i>	514	772.7	07/20/99
	DN	6	2	8	1	0	1	5	08/28/01 B1	Mooney <i>et al.</i>	435	395	12/16/94
	DO	6	2	8	7	5	8	8	09/11/01 B1	Shih <i>et al.</i>	424	426	04/27/00
	DP	6	3	3	1	3	1	1	12/18/01 B1	Brodbeck <i>et al.</i>	424	425	12/18/97
	DQ	6	3	7	2	2	4	5	04/16/02 B1	Bowman <i>et al.</i>	424	427	04/22/94
	DR	6	3	9	5	2	9	3	05/28/02 B2	Polson <i>et al.</i>	424	426	03/08/00
	DS	6	5	2	4	6	0	6	02/25/03 B1	Ng <i>et al.</i>	424	425	11/16/01
	DT	6	5	9	0	0	5	9	07/08/03 B2	Ng <i>et al.</i>	528	220	05/11/01
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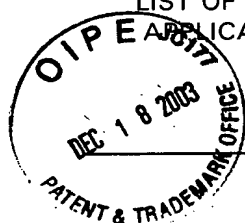
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Title: **BLOCK COPOLYMERS BASED ON POLY(ORTHO ESTERS) CONTAINING AMINE GROUPS**

FORM PTO-1449

ATTY. DOCKET NO.
10008-7195CSERIAL NO.
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NO.LIST OF PATENTS AND PUBLICATIONS FOR
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Heller *et al.*CUSTOMER NO.
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	EJ	0	4	7	1	0	3	6	01/17/96	EP B1		
	EK	0	4	8	5	8	4	0	05/20/92	EP A2 & A3		X+
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	EP	2	2	1	8	7	1	9	08/31/90	JP		X*
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	FU	9	7	3	9	7	4	6	10/30/97	PCT A1		
	FV	9	9	5	3	9	0	4	10/28/99	PCT A1		

X* = An English language Derwent abstract is provided.

X+ = An English language equivalent is provided.

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	FW	Andriano <i>et al.</i> , "Preliminary effects of in vitro lipid exposure on absorbable poly(ortho ester) films," <i>J Appl Biomater.</i> <u>6(2)</u> :129-35 (1995)
	FX	Ashford <i>et al.</i> , "An evaluation of pectin as a carrier for drug targeting to the colon," <i>Chemical Abstracts</i> <u>119</u> :278554r (1993) pp.514
	FY	Barr <i>et al.</i> , "Post surgical pain management with poly(ortho esters)," <i>Adv Drug Deliv Rev.</i> <u>54(7)</u> :1041-8 (2002)
	FZ	Bernatchez <i>et al.</i> , "Biotolerance of a semisolid hydrophobic biodegradable poly(ortho ester) for controlled drug delivery," <i>J Biomed Mater Res.</i> <u>27(5)</u> :677-81 (1993)
	GA	Beyerstedt <i>et al.</i> , "The Preparation And Properties of Ketene Diethylacetal", <i>J. Amer. Chem. Soc.</i> , 58, 529-531 (1936)
	GB	Castillo <i>et al.</i> , "Glucocorticoids Prolong Rat Sciatic Nerve Blockade In Vivo from Bupivacine Microspheres," <i>Anesthesiology</i> <u>85(3)</u> :1157-1166 (1996)
	GC	Chia <i>et al.</i> , "Auto-catalyzed poly(ortho ester) microspheres: a study of their erosion and drug release mechanism," <i>J Control Release.</i> <u>75(1-2)</u> :11-25 (2001)

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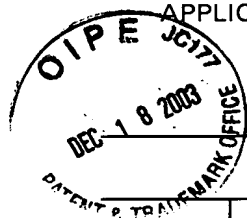
GD	<u>Contemporary Polymer Chemistry 3rd Ed.</u> Allcock <i>et al.</i> (eds.) Upper Saddle River, New Jersey: Pearson Education, Inc. Ch.1 pp. 11-12 (2003)
GE	Corey <i>et al.</i> , "Selective Cleavage of Allyl Ethers under Mild Conditions by Transition Metal Regents", <i>J. Org. Chem.</i> , <u>38(18)</u> :3224 (1973)
GF	Dahl JB <i>et al.</i> "Wound inflation with local anaesthetics for postoperative pain relief," <i>Acta Anaesthesiol Scand</i> <u>38</u> :7-14 (1994)
GG	Derwent Abstract, Accession Number 10473386 for German Patent Application DE 4415204 published 11/02/95, "Compsns contg retinyl salicylate or acetyl-salicylate - for pharmaceutical or cosmetic treatment of inflammation, general necrosis, intoxication, allergies, tumours, etc.".
GH	Derwent Abstract, Accession Number 15388893 for PCT Patent Publication WO 200344446 published 05/30/03, "Disposal of materials containing high-energy substances, especially shells, comprises recycling bulk material leaving a fluidized bed in a non-cooled state to a different inlet region than the materials for disposal".
GI	Derwent Abstract, Accession Number 8850667 for German Patent Application DD 291668 A published 07/11/91, "GnRH prepn. for oral use - consist of GNRH nucleus contg. detergent to promote resorption, inner coating which dissolves in the colon and outer coating".
GJ	Derwent Abstract, Accession Number 3209328 for Japanese Patent Applications JP 2218719 published 08/31/90 and JP 300732 published 01/07/1991, "Biodegradable polymers from polyol and ketene acetal - useful for making implants for delivering pharmaceuticals <i>et al.</i> "
GK	Derwent Abstract, Accession Number 8469383 for Japanese Patent application 3005419 published 01/11/91, "New percutaneous rate controlled delivery system - comprising drug, penetration enhancer and polymeric particles in a matrix layer".
GL	Deshpande <i>et al.</i> "Bioerodible polymers for ocular drug delivery," <i>Crit Rev Ther Drug Carrier Syst.</i> <u>15(4)</u> :381-420 (1998)
GM	Dräger <i>et al.</i> , "Prolonged Intercostal Nerve Blockade in Sheep Using Controlled-release of Bupivacaine and Dexamethasone from Polymer Microspheres," <i>Anesthesiology</i> <u>89(4)</u> :969-979 (1998)
GN	Duenas <i>et al.</i> , "Sustained Delivery of rhVEGF from a Novel injectable Liquid, PLAD," <i>Proceed. Int'l Symp. Control Rel. Bioact. Mater.</i> <u>28</u> :1041-1042 (2001)
GO	Einmahl <i>et al.</i> , "A viscous bioerodible poly(ortho ester) as a new biomaterial for intraocular application," <i>J Biomed Mater Res.</i> <u>50(4)</u> :566-73 (2000)

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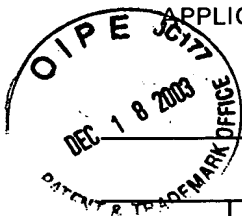
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	GP	Einmahl <i>et al.</i> , "Concomitant and controlled release of dexamethasone and 5-fluorouracil from poly(ortho ester)," <i>Int J Pharm.</i> <u>185(2)</u> :189-98 (1999)
	GQ	Geary <i>et al.</i> , "Vancomycin and insulin used as models for oral delivery of peptides," <i>J of Controlled Release</i> <u>23</u> :65-74 (1993)
	GR	Heller <i>et al.</i> , "Controlled drug release from bioerodible hydrophobic ointments," <i>Biomaterials.</i> <u>11(4)</u> :235-7 (1990)
	GS	Heller <i>et al.</i> , "Controlled release of water-soluble macromolecules from bioerodible hydrogels," <i>Biomaterials.</i> <u>4(4)</u> :262-6 (1983)
	GT	Heller <i>et al.</i> , "Controlled drug release by polymer dissolution. II: Enzyme-mediated delivery device," <i>J Pharm Sci.</i> <u>68(7)</u> :919-21 (1979)
	GU	Heller <i>et al.</i> , "Poly(ortho ester) biodegradable polymer systems," <i>Methods Enzymol.</i> <u>112</u> :422-36 (1985)
	GV	Heller <i>et al.</i> , "Controlled release of contraceptive steroids from biodegradable poly (ortho esters)," <i>Contracept Deliv Syst.</i> <u>4(1)</u> :43-53 (1983)
	GW	Heller <i>et al.</i> Erratum to "Poly(ortho esters) - their development and some recent applications," <i>Eur J Pharm Biopharm.</i> <u>50(1)</u> :121-8. (2000) Review. Erratum in: <i>Eur J Pharm Biopharm</i> 2000 Sep;50(2):327.
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	GY	Heller J., "Controlled drug release from poly(ortho esters)," <i>Ann N Y Acad Sci.</i> <u>446</u> :51-66 (1985)
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	HA	Heller <i>et al.</i> , "Poly(ortho esters): synthesis, characterization, properties and uses," <i>Adv Drug Deliv Rev.</i> <u>54(7)</u> :1015-39 (2002)
	HB	Heller J., "Controlled release of biologically active compounds from bioerodible polymers," <i>Biomaterials.</i> <u>1(1)</u> :51-7 (1980)
	HC	Heller J., "The use of polymers in the construction of controlled-release devices," <i>NIDA Res Monogr.</i> <u>154</u> :107-31 (1995)
	HD	Heller J., "Biodegradable polymers in controlled drug delivery," <i>Crit Rev Ther Drug Carrier Syst.</i> <u>1(1)</u> :39-90 (1993)

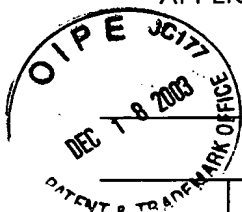
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HE	Heller J., "Preparation of Polyacetals by the Reaction of Divinyl Ethers and Polyols"; J. Polymer Sci. Polymer Letters Ed., 18,293-297 (1980)
HF	Kipper <i>et al.</i> , "Design of an Injectable system based on bioerodible polyanhydride microspheres for sustained drug delivery" <i>Biomaterials</i> 23:4405-4412 (2002)
HG	Leadley <i>et al.</i> , "The use of SIMS, XPS and in situ AFM to probe the acid catalysed hydrolysis of poly(orthoesters)," <i>Biomaterials</i> . 19(15):1353-60 (1998)
HH	Merkli <i>et al.</i> , "Synthesis and characterization of a new biodegradable semi-solid poly(ortho ester) for drug delivery systems," <i>J Biomater Sci Polym Ed.</i> 4(5):505-16 (1993)
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HJ	Merkli <i>et al.</i> , "Purity and stability assessment of a semi-solid poly(ortho ester) used in drug delivery systems," <i>Biomaterials</i> . 17(9):897-902 (1996)
HK	Milojevic <i>et al.</i> , "Amylose as a coating for drug delivery to the colon: preparation and vitro evaluation using 5-aminosalicylic acid pellets," <i>J of Controlled Release</i> 38:75-84 (1996)
HL	Ng <i>et al.</i> , "Development of a poly(ortho ester) prototype with a latent acid in the polymer backbone for 5-fluorouracil delivery," <i>J. Control Release</i> 65:367-74 (2000)
HM	Ng <i>et al.</i> , "Controlled drug release from self-catalyzed poly(ortho esters)," <i>Ann N Y Acad Sci.</i> 831:168-78 (1997)
HN	Okumu <i>et al.</i> , "Sustained Delivery of Growth Hormone from a Novel Injectable Liquid, PLAD," <i>Proceed. Int'l Symp. Control Rel. Bioact. Mater.</i> 28:1029-1030 (2001)
HO	Press Release: "Advanced Polymer Systems Granted Two Composition of Matter Patents Related to its Bioerodible Polymer Technology," Advanced Polymer Systems News Release, October 1999
HP	Roberts <i>et al.</i> , "The Role of Neighboring Groups in Replacement Reactions .", J. Amer. Chem. Soc., 80:1247-1254 (1958)
HQ	Roskos <i>et al.</i> , "Development of a drug delivery system for the treatment of periodontal disease based on bioerodible poly(ortho esters)," <i>Biomaterials</i> , 16(4):313-7 (1995)
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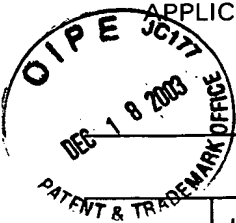
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HS	Schwach-Abdellaoui <i>et al.</i> , "Optimization of a novel bioerodible device based on auto-catalyzed poly(ortho esters) for controlled delivery of tetracycline to periodontal pocket," <i>Biomaterials</i> . <u>22(12)</u> :1659-66 (2001)
HT	Schwach-Abdellaoui <i>et al.</i> , "Bioerodible injectable poly(ortho ester) for tetracycline controlled delivery to periodontal pockets: preliminary trial in humans," <i>AAPS PharmSci</i> . <u>4(4)</u> :article 20 pp.1-7 (2002)
HU	Schwach-Abdellaoui <i>et al.</i> , "Synthesis and characterization of self-catalyzed poly(ortho-esters) based on decanediol and decanediol-lactate," <i>J Biomater Sci Polym Ed</i> . <u>10(3)</u> :375-89 (1999)
HV	Shi <i>et al.</i> , "Double walled POE/PLGA microspheres: encapsulation of water-soluble and water-insoluble proteins and their release properties," <i>J Control Release</i> . <u>89(2)</u> :167-77 (2003)
HW	Sintzel <i>et al.</i> , "In vitro drug release from self-catalyzed poly(ortho ester): case study of 5-fluorouracil," <i>J Control Release</i> . <u>55(2-3)</u> :213-8 (1998)
HX	Sintzel <i>et al.</i> , "Synthesis and characterization of self-catalyzed poly(ortho ester)," <i>Biomaterials</i> . <u>19(7-9)</u> :791-800 (1998)
HY	Steinicke A. <i>et al.</i> "Oral formulations of gonadotropin releasing hormone" <i>Chemical Abstracts</i> <u>115(22)</u> : 239759j (1991)
HZ	Taylor <i>et al.</i> , "Six bioabsorbable polymers: in vitro acute toxicity of accumulated degradation products," <i>J Appl Biomater</i> . <u>5(2)</u> :151-7 (1994)
IA	<u>Textbook of Polymer Science 3rd Ed.</u> Billmeyer, F.W. (ed.) New York: John Wiley & Sons Ch. 17 pp. 457-485 (1984)
IB	Uyeda, C.T., "Agglutination of Cardiolipin-Coated Latex Particles with VDRL- And Kolmer-Positive Serums," <i>American Journal of Clinical Pathology</i> <u>40</u> :329-333 (1963)
IC	van de Weert <i>et al.</i> , "Semi-solid self-catalyzed poly(ortho ester)s as controlled-release systems: protein release and protein stability issues," <i>J Pharm Sci</i> . <u>91(4)</u> :1065-74 (2002)
ID	Wan <i>et al.</i> , "POE-PEG-POE triblock copolymeric microspheres containing protein. II. Polymer erosion and protein release mechanism," <i>J Control Release</i> . <u>75(1-2)</u> :129-41 (2001)
IE	Yang <i>et al.</i> "POE/PLGA composite microspheres: formation and in vitro behavior of double walled microspheres," <i>J Control Release</i> . <u>88(2)</u> :201-13 (2003)
IF	Yang <i>et al.</i> "POE-PEG-POE triblock copolymeric microspheres containing protein. I. Preparation and characterization," <i>J Control Release</i> . <u>75(1-2)</u> :115-28 (2001)

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Title: **BLOCK COPOLYMERS BASED ON POLY(ORTHO ESTERS) CONTAINING AMINE GROUPS**

FORM PTO-1449

ATTY. DOCKET NO.
10008-7195CSERIAL NO.
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NO.LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENTAPPLICANT
Heller *et al.*CUSTOMER NO.
24961FILING DATE
July 24, 2003ART GROUP
1711

IG

Zignani *et al.*, "A poly(ortho ester) designed for combined ocular delivery of dexamethasone sodium phosphate and 5-fluorouracil: subconjunctival tolerance and in vitro release," *Eur J Pharm Biopharm.* 50(2):251-5 (2000)

IH

Zignani *et al.*, "Improved biocompatibility of a viscous bioerodible poly(ortho ester) by controlling the environmental pH during degradation," *Biomaterials* 21(17):1773-8 (2000)

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